

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1376	(polymer OR paraffin) SAME impregna\$6 SAME (por\$4 WITH (substrate OR sheet OR membrane OR composite)) AND (dissol\$5 WITH (solution OR solvent))	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:09
L2	387	(polymer OR paraffin) SAME impregna\$6 SAME (por\$4 WITH (substrate OR sheet OR membrane OR composite)) AND (dissol\$5 WITH (solution OR solvent)) AND circuit	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:09
L3	258	(polymer OR paraffin) SAME impregna\$6 SAME (por\$4 WITH (substrate OR sheet OR membrane OR composite)) AND ((dissol\$5 WITH (solution OR solvent)) SAME (polymer OR paraffin)) AND circuit	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:10
L4	82	(polymer OR paraffin) SAME impregna\$6 SAME (por\$4 WITH (substrate OR sheet OR membrane OR composite)) AND ((dissol\$5 WITH (solution OR solvent)) SAME (polymer OR paraffin)) AND circuit AND solidi\$6	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:11
L5	17	(polymer OR paraffin) WITH impregna\$6 WITH (por\$4 WITH (substrate OR sheet OR membrane OR composite)) SAME solidi\$6 AND (((dissol\$5 OR redissol\$5 OR re\$dissol\$5) WITH (solution OR solvent)) SAME (polymer OR paraffin))	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:17
L6	15	(polymer OR paraffin) WITH impregna\$6 WITH (por\$4 WITH (substrate OR sheet OR membrane OR composite)) SAME solidi\$6 AND ((dissol\$5 OR redissol\$5 OR re\$dissol\$5 OR remov\$4) WITH (polymer OR paraffin) SAME solvent)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:20
L7	4	(polymer OR paraffin OR filler) WITH impregna\$6 WITH (por\$4 WITH (substrate OR sheet OR membrane OR composite)) SAME solidi\$6 AND ((remov\$4) WITH (polymer OR paraffin OR filler) SAME solvent)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:21

L8	13	(polymer OR paraffin OR filler) WITH impregna\$6 WITH (por\$4 WITH (substrate OR sheet OR membrane OR composite)) SAME solidi\$6 AND ((remov\$4 OR extract \$6 OR separat\$4 OR siphon\$3 OR dislodg\$4 OR expung\$4 OR purg \$4) WITH (polymer OR paraffin OR filler) SAME solvent)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:26
L9	139	(polymer OR paraffin OR filler) WITH (por\$4 WITH (substrate OR sheet OR membrane OR composite)) SAME solidi\$6 AND ((remov\$4 OR extract\$6 OR separat\$4 OR siphon\$3 OR dislodg \$4 OR expung\$4 OR purg\$4) WITH (polymer OR paraffin OR filler) SAME solvent)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:27
L10	126	9 not 8	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:28
L11	2212	(polymer OR paraffin OR filler) WITH solidi\$6 AND ((remov\$4 OR extract\$6 OR separat\$4 OR siphon \$3 OR dislodg\$4 OR expung\$4 OR purg\$4) WITH (polymer OR paraffin OR filler) WITH solvent)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:32
L12	843	((polymer OR paraffin OR filler) WITH solidify OR solidification) AND ((remov\$4 OR extract\$6 OR separat\$4 OR siphon\$3 OR dislodg \$4 OR expung\$4 OR purg\$4) WITH (polymer OR paraffin OR filler) WITH solvent WITH (dissol \$4))	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:33
L13	377	((polymer OR paraffin OR filler) WITH solidify OR solidification) AND ((remov\$4 OR extract\$6 OR separat\$4 OR siphon\$3 OR dislodg \$4 OR expung\$4 OR purg\$4) WITH (polymer OR paraffin OR filler) WITH solvent WITH (dissol \$4)) AND porous	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:33
L14	42	((polymer OR paraffin OR filler) WITH solidify OR solidification) SAME ((remov\$4 OR extract\$6 OR separat\$4 OR siphon\$3 OR dislodg \$4 OR expung\$4 OR purg\$4) WITH (polymer OR paraffin OR filler) WITH solvent WITH (dissol \$4)) AND porous	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:34
L15	33	((polymer OR paraffin OR filler) WITH solidify OR solidification) SAME ((remov\$4 OR extract\$6 OR separat\$4 OR siphon\$3 OR dislodg \$4 OR expung\$4 OR purg\$4) adj5 (polymer OR paraffin OR filler) WITH solvent WITH (dissol\$4))	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:36

L16	0	67/118 ccls	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:46
L17	239	429/118 ccls	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:46
L18	52	17 and porous	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:46
L20	19	("4942456"   "5083193"   "5130889"   "5304512"   "5362679"   "5610443"   "5729050").PN. OR ("5946556"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 10:49
L21	340	polymer SAME chemical adj2 reaction SAME solidi\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 10:51
L22	0	21 and (redissolv\$3 OR re\$dessolv \$3) WITH polymer WITH solvent	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 10:52
L23	17	21 and (remov\$4 OR extract\$6 OR separat\$4 OR siphon\$3 OR dislodg \$4 OR expung\$4 OR purg\$4) adj4 polymer WITH solvent	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 10:53
L24	0	polymer SAME chemical adj2 reaction SAME solidi\$4 SAME (remov\$4 OR extract\$6 OR separat \$4 OR siphon\$3 OR dislodg\$4 OR expung\$4 OR purg\$4) adj4 polymer WITH solvent	FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/20 10:56
L25	0	polymer AND chemical adj2 reaction AND solidi\$4 AND (remov \$4 OR extract\$6 OR separat\$4 OR siphon\$3 OR dislodg\$4 OR expung \$4 OR purg\$4) adj4 polymer WITH solvent	FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/20 10:57
L26	1	polymer AND chemical adj2 reaction AND solidi\$4 AND (remov \$4 OR extract\$6 OR separat\$4 OR siphon\$3 OR dislodg\$4 OR expung \$4 OR purg\$4) WITH polymer WITH solvent	FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/20 10:57
L29	542	chemical adj2 reaction WITH solidi \$4	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:58
L30	160	29 and porous	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:58
L31	32	30 and dissolv\$5 WITH remov\$4	US-PGPUB; USPAT	ADJ	ON	2009/03/20 10:59
L32	1	"6824716"	US-PGPUB; USPAT	ADJ	ON	2009/03/20 11:13
L33	299	remov\$4 WITH polymer SAME mask\$4 SAME dissolv\$4	US-PGPUB; USPAT	ADJ	ON	2009/03/20 11:30
L34	40	remov\$4 WITH polymer SAME mask\$4 SAME dissolv\$4 and porous	US-PGPUB; USPAT	ADJ	ON	2009/03/20 11:30

L35	1	mask\$4 WITH porous adj3 (substrate OR composite OR sheet OR membrane OR base) SAME polymer SAME (cur\$4 OR solid\$6 OR freez\$3)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 11:38
L36	142	mask\$4 SAME porous adj3 (substrate OR composite OR sheet OR membrane OR base) SAME2 polymer AND (cur\$4 OR solid\$6 OR freez\$3)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 11:38
L37	93	mask\$4 SAME porous adj3 (substrate OR composite OR sheet OR membrane OR base) SAME2 polymer AND (curing OR cure OR solid\$6 OR freez\$3)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 11:41
L39	38	mask\$4 SAME porous adj3 (substrate OR composite OR sheet OR membrane OR base) SAME2 polymer AND (curing OR cure OR solid\$6 OR freez\$3) AND impregn \$7	US-PGPUB; USPAT	ADJ	ON	2009/03/20 11:48
L40	4842	mask\$4 SAME (acrylate OR methacrylate OR PMMA)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 12:17
L41	31	mask\$4 SAME (acrylate OR methacrylate OR PMMA) AND impregnate	US-PGPUB; USPAT	ADJ	ON	2009/03/20 12:17
L42	424	mask\$4 SAME (acrylate OR methacrylate OR PMMA) AND impregna\$4	US-PGPUB; USPAT	ADJ	ON	2009/03/20 12:17
L43	127	mask\$4 SAME (acrylate OR methacrylate OR PMMA) AND impregna\$4 AND porous	US-PGPUB; USPAT	ADJ	ON	2009/03/20 12:17
L44	792	mask\$4 SAME (acrylate OR methacrylate OR PMMA) SAME3 (advantage OR cost)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 12:45
L46	609	mask\$4 SAME (acrylate OR methacrylate OR PMMA) SAME2 (advantage OR cost)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 12:46
L47	151	mask\$4 SAME (acrylate OR methacrylate OR PMMA) SAME (advantage OR cost)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 12:46
L48	48	mask\$4 SAME (acrylate OR methacrylate) SAME monomer SAME2 (advantage OR cost)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 12:48
L49	336	mask\$4 SAME (PMMA) SAME2 (advantage OR cost)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 12:54
L50	366	mask\$4 SAME (PMMA OR (polymethyl methacrylate)) SAME2 (advantage OR cost)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 12:56
L51	78	mask\$4 SAME (PMMA OR (polymethyl methacrylate)) SAME (advantage OR cost)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 12:56

L52	34	mask\$4 SAME (PMMA OR (polymethyl methacrylate)) SAME (advantage)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 13:14
L53	212	mask\$4 SAME (PMMA OR (polymethyl methacrylate)) SAME2 (advantage)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 13:16
L54	234	mask\$4 SAME (PMMA OR (polymethyl methacrylate)) SAME2 (advantage OR benefit)	US-PGPUB; USPAT	ADJ	ON	2009/03/20 13:25
L55	377	mask\$4 SAME (PMMA OR (polymethyl methacrylate)) SAME known	US-PGPUB; USPAT	ADJ	ON	2009/03/20 13:30
L56	37	mask\$4 SAME (PMMA OR (polymethyl methacrylate)) SAME known SAME3 advantage	US-PGPUB; USPAT	ADJ	ON	2009/03/20 13:30
L57	171	mask\$4 SAME (PMMA OR (polymethyl methacrylate) OR polymethylmethacrylate) WITH solution	US-PGPUB; USPAT	ADJ	ON	2009/03/20 13:55
L63	21	mask\$4 WITH porous WITH resin SAME laminat\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 15:28
L64	466	porous adj3 mask\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 15:42
L65	189	porous adj3 mask\$4 and circuit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 15:42
L66	10	fluorocarbon adj3 resin WITH mask \$4 SAME2 (prefer\$4 OR advantage) and circuit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 15:45
L67	1063	electroless AND reduc\$4 WITH catalyst AND circuit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 16:27
L68	754	electroless SAME2 reduc\$4 WITH catalyst AND circuit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 16:28
L69	73	electroless SAME2 reduc\$4 WITH catalyst AND anisotrop\$8 AND circuit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 16:28
L70	28	electroless SAME2 reduc\$4 WITH catalyst SAME advantage AND circuit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/20 16:32
S1	37	((pore OR poro\$4) near3 resin) SAME paraffin AND water	US-PGPUB; USPAT	ADJ	ON	2009/03/12 14:22
S2	32	((pore OR poro\$4) near3 resin) SAME paraffin AND water AND solid\$5	US-PGPUB; USPAT	ADJ	ON	2009/03/12 14:26
S3	1501	((pore OR poro\$4) near3 resin) near3 (substrate OR base OR sheet OR composite)	US-PGPUB; USPAT	ADJ	ON	2009/03/12 14:33
S4	269	S3 and (liquid OR solution) near4 impregn\$7	US-PGPUB; USPAT	ADJ	ON	2009/03/12 14:33
S5	14	S4 and solidification	US-PGPUB; USPAT	ADJ	ON	2009/03/12 14:34

S6	33	("3860388"   "4196033"   "4242378"   "4610744"   "4783384"   "5154993"   "5419982"   "5435054"   "5612153"   "5616152").PN. OR ("6162264").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/12 14:37
S7	1501	((pore OR poro\$4) near3 resin) near3 (substrate OR base OR sheet OR composite)	US-PGPUB; USPAT	ADJ	ON	2009/03/17 14:08
S8	269	S7 and (liquid OR solution) near4 impregn\$7	US-PGPUB; USPAT	ADJ	ON	2009/03/17 14:08
S9	205	S8 and solid\$8	US-PGPUB; USPAT	ADJ	ON	2009/03/17 14:08
S10	48	S7 and (liquid OR solution) near4 impregn\$7 SAME solid\$8	US-PGPUB; USPAT	ADJ	ON	2009/03/17 14:08
S11	1932	((pore OR poro\$4) near3 resin) near3 (substrate OR base OR sheet OR composite)	FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/17 14:15
S12	0	((pore OR poro\$4) near3 resin) near3 (substrate OR base OR sheet OR composite) SAME (liquid OR solution) near4 impregn\$7 SAME solid\$7	FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/17 14:16
S13	24	((pore OR poro\$4) near3 resin) near3 (substrate OR base OR sheet OR composite) SAME (liquid OR solution) near4 impregn\$7	FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/17 14:16
S14	3	((pore OR poro\$4) near3 resin) near3 (substrate OR base OR sheet OR composite) SAME (liquid OR solution) near4 impregn\$7 and solid	FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/17 14:16
S15	3	((pore OR poro\$4) near3 resin) near3 (substrate OR base OR sheet OR composite) SAME (liquid OR solution) near4 impregn\$7 and solid\$8	FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/17 14:16
S16	1	("4978452").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/17 14:23
S17	3	("4591383"   "4811778").PN. OR ("4978452").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/17 14:25
S18	282	impregn\$10 WITH (porous OR filter) SAME solidi\$9	US-PGPUB; USPAT	ADJ	ON	2009/03/17 14:33
S19	49	S18 and (extract\$8 OR remov\$8) near4 (solidi\$9)	US-PGPUB; USPAT	ADJ	ON	2009/03/17 14:34
S20	12	("3238068"   "3297484"   "3395049"   "3419900").PN. OR ("3859139").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/17 14:46

S21	56770	((pore OR poro\$4)) near3 (substrate OR base OR sheet OR composite)	US-PGPUB; USPAT	ADJ	ON	2009/03/19 10:13
S26	96	((liquid OR solution) near4 impregn\$7 SAME3 solidi\$8 and ((drill\$6 OR perfora\$6 OR ((form\$4 OR produc\$4 OR creat\$4) near3 (hole OR pore OR aperture OR puncture)) OR pierc\$4 OR punctur\$4) SAME3 ((pore OR poro\$4)) near3 (substrate OR base OR sheet OR composite))	US-PGPUB; USPAT	ADJ	ON	2009/03/19 10:20
S27	461	S21 and ((liquid OR solution) near4 impregn\$7 and solidi\$8 and (drill\$6 OR perfora\$6 OR ((form\$4 OR produc\$4 OR creat\$4) near3 (hole OR pore OR aperture OR puncture)) OR pierc\$4 OR punctur\$4)	US-PGPUB; USPAT	ADJ	ON	2009/03/19 10:21
S28	5332	S21 and ((liquid OR solution) near4 impregn\$7	US-PGPUB; USPAT	ADJ	ON	2009/03/19 10:21
S29	465	((liquid OR solution) near4 impregn\$7 SAME3 solidi\$8 and (drill\$6 OR perfora\$6 OR ((form\$4 OR produc\$4 OR creat\$4) near3 (hole OR pore OR aperture OR puncture)) OR pierc\$4 OR punctur\$4)	US-PGPUB; USPAT	ADJ	ON	2009/03/19 10:22
S30	24	((((liquid OR solution) near4 impregn\$7 SAME (pore OR poro\$4)) near3 (substrate OR base OR sheet OR composite)) AND solidi\$8 and ((drill\$6 OR perfora\$6 OR ((form\$4 OR produc\$4 OR creat\$4) near3 (hole OR pore OR aperture OR puncture)) OR pierc\$4 OR punctur\$4) SAME ((pore OR poro\$4)) near3 (substrate OR base OR sheet OR composite))	US-PGPUB; USPAT	ADJ	ON	2009/03/19 10:26
S31	1	("4902423").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/19 12:51
S32	1	("4902423").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/19 13:01
S33	1	("4877661").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/19 13:04
S34	71	impregn\$10 WITH (porous OR filter) SAME solidifi\$9 SAME5 (cast \$4 OR dip\$4)	US-PGPUB; USPAT	ADJ	ON	2009/03/19 13:24

S35	6	impregn\$10 WITH (porous OR filter) SAME solidifi\$9 SAME5 ((cast \$4 OR dip\$4) SAME advantage)	US-PGPUB; USPAT	ADJ	ON	2009/03/19 13:24
S36	6	impregn\$10 WITH (porous OR filter) SAME solidifi\$9 SAME5 ((cast \$4 OR dip\$4) SAME (advantage OR benefit))	US-PGPUB; USPAT	ADJ	ON	2009/03/19 13:25
S37	37	impregn\$10 WITH (porous OR filter OR membrane OR substrate OR sheet OR composite) SAME solidifi\$9 AND ((cast\$4 OR dip\$4) SAME (advantage OR benefit))	US-PGPUB; USPAT	ADJ	ON	2009/03/19 13:30
S38	58	impregn\$10 WITH (porous OR filter OR membrane OR substrate OR sheet OR composite) SAME solidifi\$9 AND parafin	US-PGPUB; USPAT	ADJ	ON	2009/03/19 14:11
S39	1	("4001469").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/19 14:30
S40	449	paraffin WITH resin WITH (porous OR substrate OR sheet OR composite)	US-PGPUB; USPAT	ADJ	ON	2009/03/19 14:51
S41	0	paraffin WITH resin WITH porous WITH foil AND circuit	US-PGPUB; USPAT	ADJ	ON	2009/03/19 14:51
S42	0	paraffin WITH resin WITH porous WITH foil	US-PGPUB; USPAT	ADJ	ON	2009/03/19 14:52
S43	44	paraffin WITH resin WITH porous	US-PGPUB; USPAT	ADJ	ON	2009/03/19 14:52
S44	294	paraffin WITH resin AND circuit near2 board	US-PGPUB; USPAT	ADJ	ON	2009/03/19 14:53
S45	205	paraffin WITH resin AND circuit near2 board AND por\$4	US-PGPUB; USPAT	ADJ	ON	2009/03/19 14:53
S46	59	paraffin WITH resin AND impreg\$8 AND circuit near2 board AND por \$4	US-PGPUB; USPAT	ADJ	ON	2009/03/19 14:55
S47	7	paraffin WITH impreg\$8 AND circuit near2 board AND por\$4	US-PGPUB; USPAT	ADJ	ON	2009/03/19 14:57
S48	46	paraffin SAME impreg\$8 AND circuit AND porous	US-PGPUB; USPAT	ADJ	ON	2009/03/19 15:14
S49	54	paraffin SAME (impreg\$8 OR mask \$4) AND circuit AND porous	US-PGPUB; USPAT	ADJ	ON	2009/03/19 15:16
S50	31	paraffin SAME (impreg\$8 OR mask \$4) AND anisotropic	US-PGPUB; USPAT	ADJ	ON	2009/03/19 15:49
S51	2	paraffin AND por\$6 AND anisotropic	JPO	ADJ	ON	2009/03/19 15:53
S52	1	paraffin AND por\$6 AND conduct \$6 near (sheet OR base OR membrane OR substrate OR composite)	JPO	ADJ	ON	2009/03/19 15:54



S53	51	paraffin SAME4 por\$6 near2 (membrane OR sheet OR substrate) AND circuit AND impreg \$9	US-PGPUB; USPAT	ADJ	ON	2009/03/19 16:01
S54	51	((paraffin OR polymer) SAME solidi \$7) SAME4 por\$6 near2 (membrane OR sheet OR substrate) AND circuit AND impreg \$9	US-PGPUB; USPAT	ADJ	ON	2009/03/19 17:01
S55	75	((paraffin OR polymer) SAME solidi \$7 SAME (solvent OR solution)) SAME4 por\$6 near2 (membrane OR sheet OR substrate) AND circuit	US-PGPUB; USPAT	ADJ	ON	2009/03/19 17:02
S56	49	S54 not S53	US-PGPUB; USPAT	ADJ	ON	2009/03/19 17:02

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